

4.2.K. 08010205110.

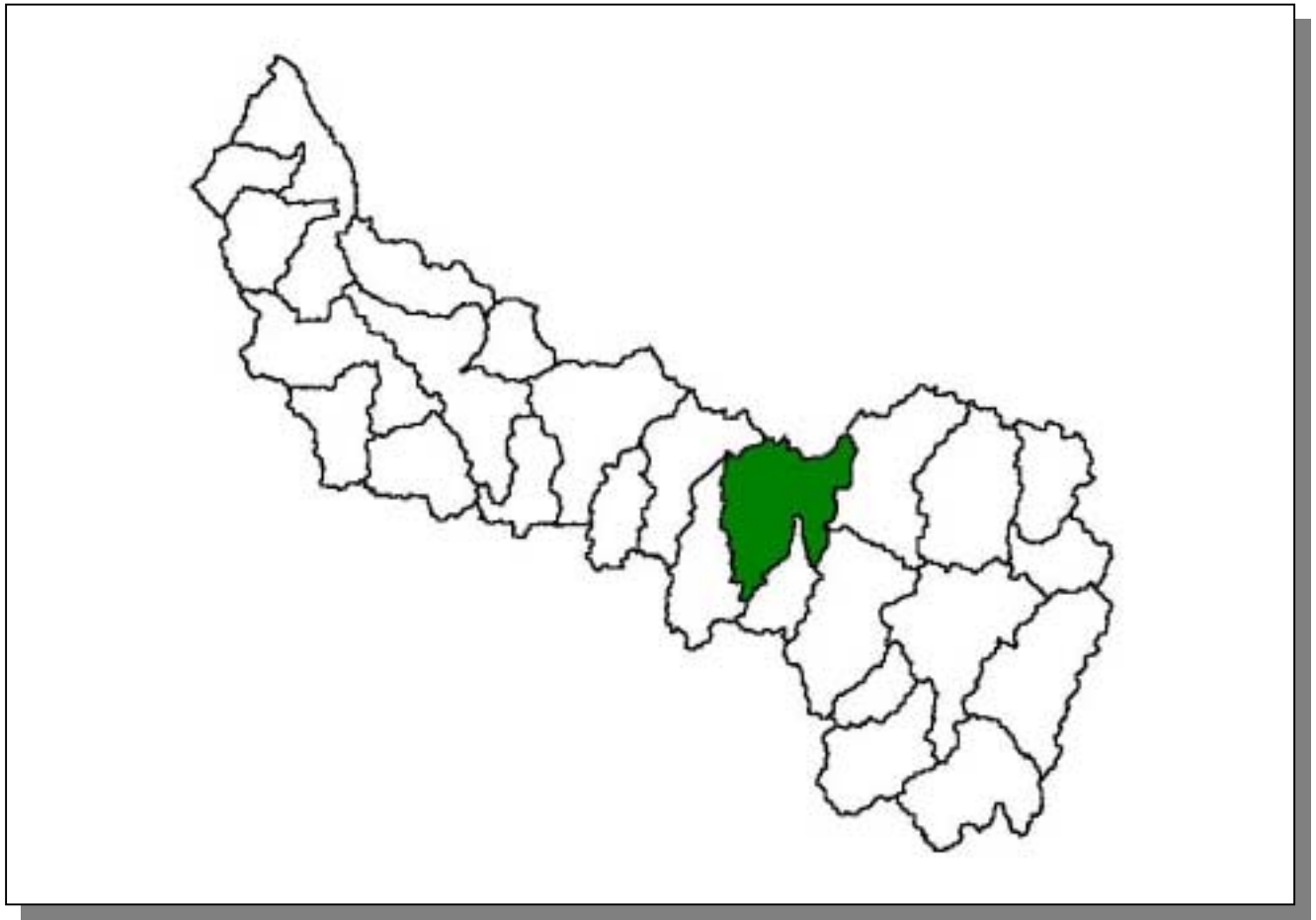


Figure 4-45. Location of Subwatershed 08010205110. All South Fork Forked Deer HUC-14 subwatershed boundaries are shown for reference.

4.2.K.i. General Description.

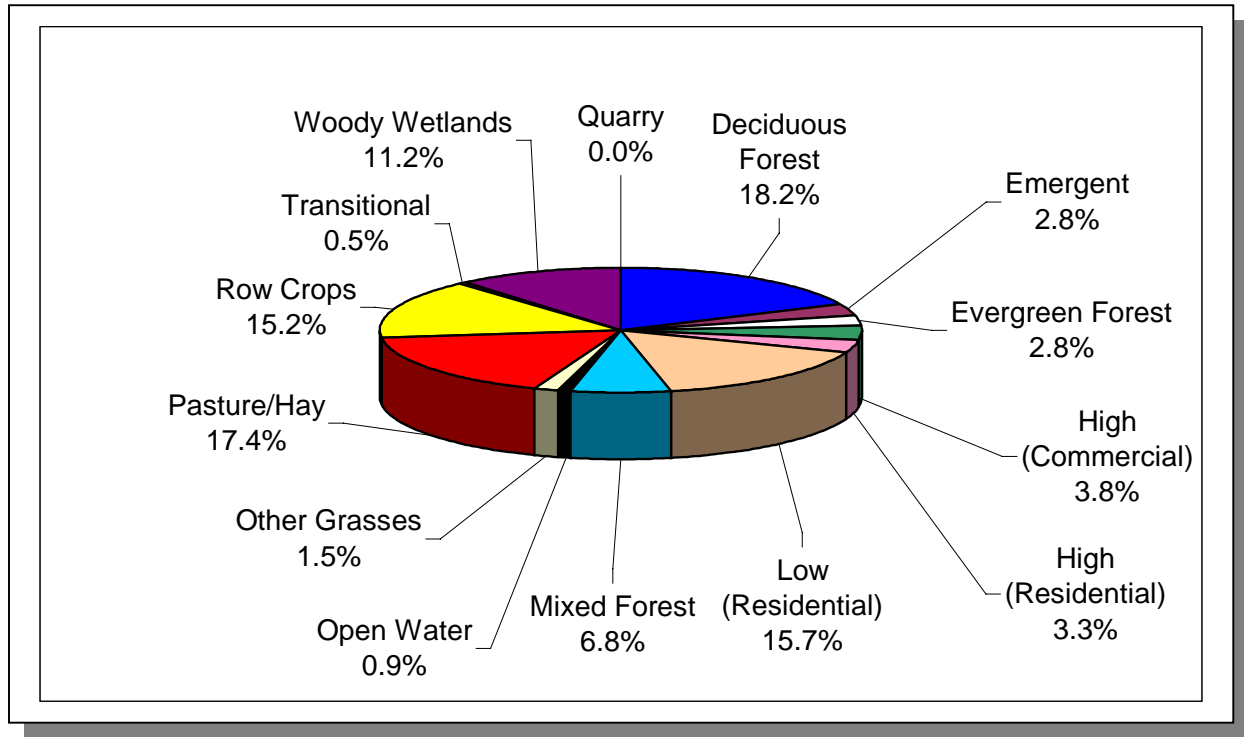


Figure 4-46. Land Use Distribution in Subwatershed 08010205110. More information is provided in SFFD-Appendix IV.

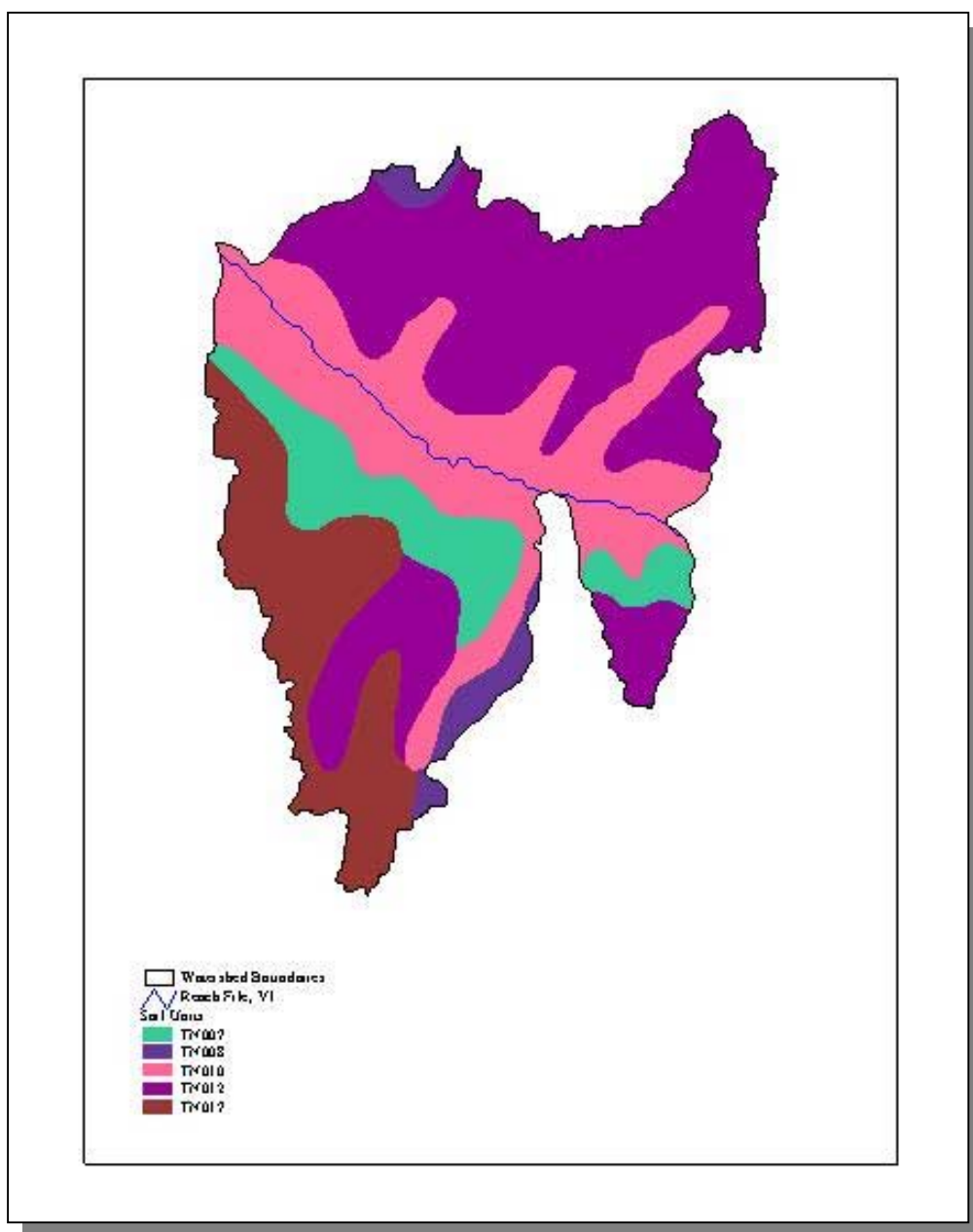


Figure 4-47. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205110.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN007	29.00	C	1.30	5.36	Silty Loam	0.48
TN008	2.00	C	1.38	5.20	Silty Loam	0.48
TN010	81.00	C	1.33	5.11	Silty Loam	0.44
TN012	1.00	C	2.52	5.13	Silty Loam	0.39
TN017	0.00	B	1.81	5.26	Silty Loam	0.45

Table 4-54. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205110. More information is provided in SFFD-Appendix IV.

	COUNTY POPULATION			ESTIMATED POPULATION IN WATERSHED		% CHANGE
County	1990	1997 Est.	Portion of Watershed (%)	1990	1997	
Madison	77,982	84,942	10.11	7,883	8,587	8.9

Table 4-55. Population Estimates in Subwatershed 08010205110.

			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Jackson	Madison	48,949	20,739	20,197	512	30

Table 4-56. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 08010205110.



Figure 4-48. Location of Historical Streamflow Data Collection Sites in Subwatershed 08010205110. More information is provided in SFFD-Appendix IV.

4.2.K.ii. Point Source Contributions.

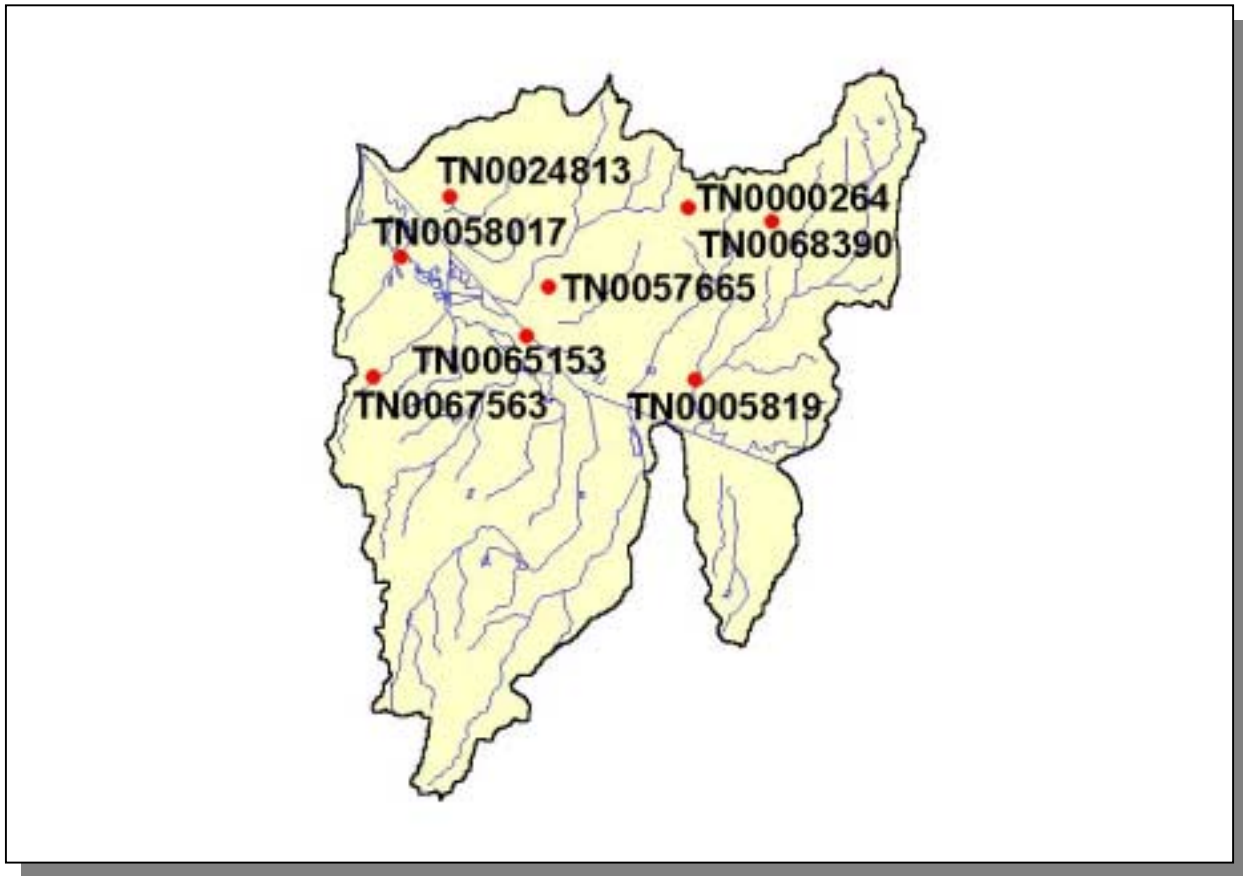


Figure 4-49. Location of Active Point Source Facilities (Individual Permits) in Subwatershed 08010205110. More information, including the names of facilities, is provided in SFFD-Appendix IV.



Figure 4-50. Location of Active Mining Sites in Subwatershed 08010205110. More information, including the names of facilities, is provided in SFFD-Appendix IV.

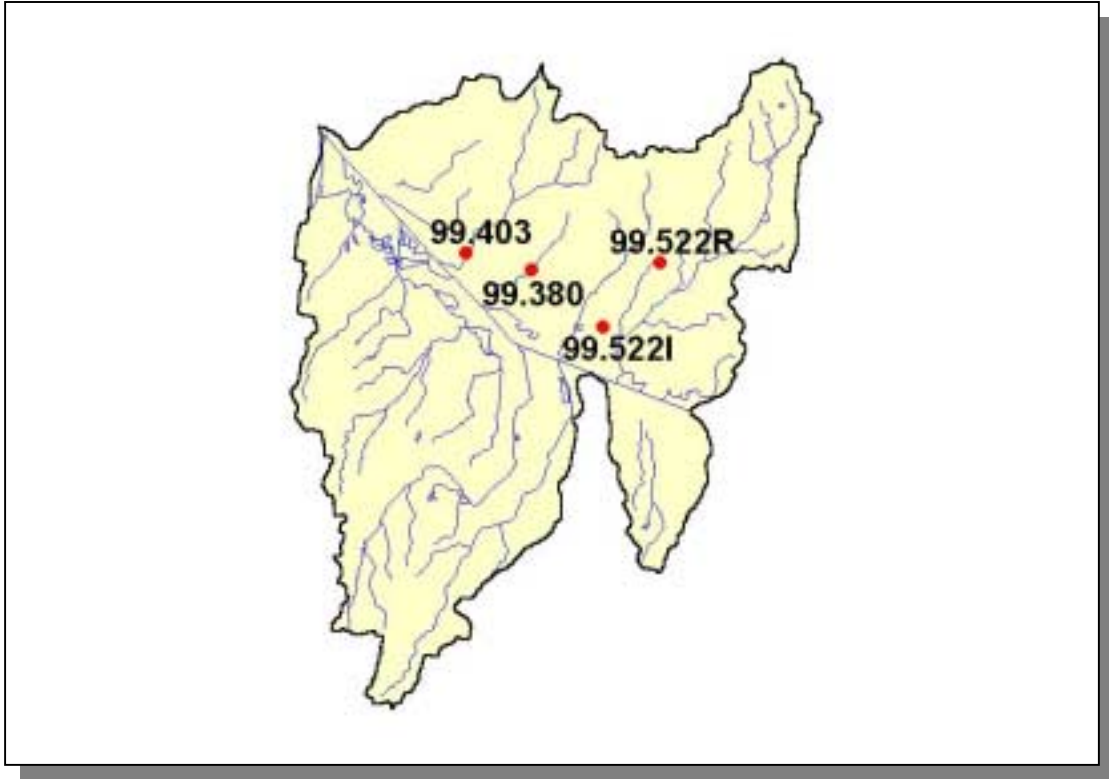


Figure 4-51. Location of ARAP Sites (Individual Permits) in Subwatershed 08010205110.
More details may be found in SFFD-Appendix IV.



Figure 4-52. Location of Wetland Impact and Mitigation Sites in Subwatershed 08010205110. Impact (Blue Triangle) and mitigation (red Circle) sites are from ARAP database. More information is provided in SFFD-Appendix IV.

4.2 K.ii.a. Dischargers to Waterbodies Listed on the 1998 303(d) List.

There are five NPDES facilities discharging to water bodies listed on the 1998 303(d) list in Subwatershed 08010205110:

- TN0000264 discharges to RM 2.6 of a trib to Anderson Branch @ RM 2.5
- TN0024813 discharges to Fork Forked Deer River @ RM 50.8
- TN0057665 discharges to RM 0.5 of a tributary to Sandy Creek @ RM 0.7
- TN0058017 discharges to a storm drain @ RM0.5 of Sandy Creek
- TN0067563 discharges to mile 2.5 of a tributary to SFFD @ RM 51.7

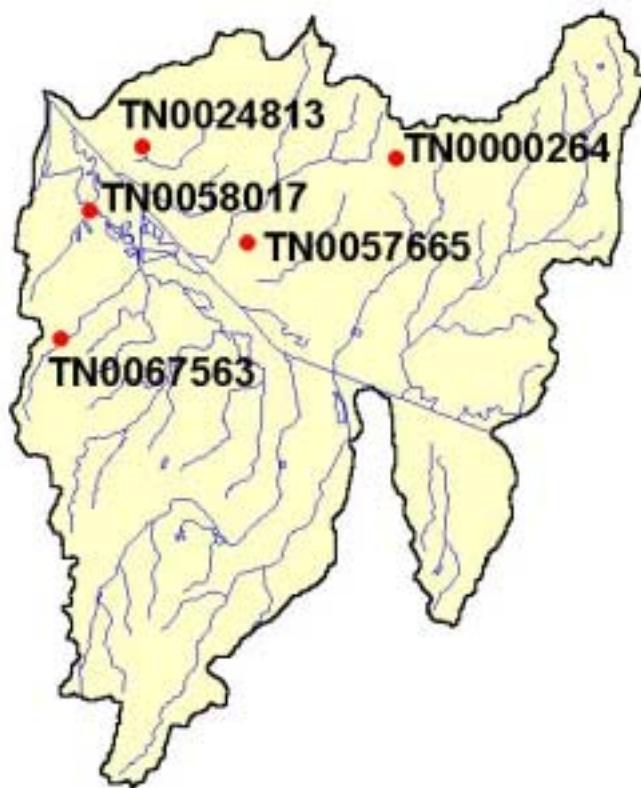


Figure 4-53. Location of NPDES Dischargers to Water Bodies Listed on the 1998 303(d) List in Subwatershed 08010205110. The names of facilities are provided in SFFD-Appendix IV.

PERMIT #	7Q10	1Q20	30Q2	QDESIGN	QLTA
TN0000264	0	0	0	17.4	3.28
TN0024813	52.72	46.99	54.27		10.015
TN0057665	0	0	0		0.064
TN0058017	0	0	0		0.0729
TN0067563	0	0	0		0.028

Table 4-57. Receiving Stream Flow Information for NPDES Dischargers to Water Bodies Listed on the 1998 303(d) List in Subwatershed 08010205110. Data are in million gallons per day (MGD). Data were calculated using data in Flow Duration and Low Flows of Tennessee Streams Through 1992.

PERMIT #	CBOD ₅	NH ₃	FECAL	METALS	WET
TN0000264				X	X
TN0024813	X	X	X	X	X

Table 4-58. Monitoring Requirements for NPDES Dischargers to Water Bodies Listed on the 1998 303(d) List in Subwatershed 08010205110.

PERMIT #	Cu	Zn	Cr	Al	Hg	Pb
TN0000264	X	X	X	X	X	X
TN0024813					X	X

Table 4-59. Parameters Monitored for Daily Maximum (mg/L) Limits for NPDES Dischargers to Waterbodies Listed on the 1998 303(d) List in Subwatershed 08010205110.

PERMIT #	TSS	pH	TRC	Pb	TEMP	Cr	DURATION
TN00264						1	01/90-04/99
TN24813				2			01/90-08/99
TN58017			14		2		04/92-05/96
TN67563	4	48	6				09/93-04/98

Table 4-60. Number of Permit Violations Based on DMR Data for NPDES Dischargers to Water Bodies Listed on the 1998 303(d) List in Subwatershed 08010205110.

4.2.K.iii. Nonpoint Source Contributions.

LIVESTOCK (COUNTS)		
Cattle	Chickens	Hogs
1,009	<5	828

Table 4-61. Summary of Livestock Count Estimates in Subwatershed 08010205110. According to the Census of Agriculture, "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.

CROP	TONS/ACRE/YEAR
Corn (Row Crops)	14.81
Soybeans (Row Crops)	8.65
Cotton (Row Crops)	12.97
Wheat (Close Grown Cropland)	3.53
Grass (Hayland)	0.95
Other Cropland not Planted	2.23
Grass (Pastureland)	0.41
Forest Land (Not Grazed)	0.00
Farmsteads and Ranch Headquarters	0.46
Other Vegetable and Truck Crops	7.81
Grass, Forbs, Legumes (Mixed Pasture)	3.34
Other Land in Farms	0.08
All Other Close Grown Cropland	0.47
Conservation Reserve Program Land	0.47

Table 4-62. Annual Estimated Total Soil Loss in Subwatershed 08010205110.